

SHIFT LINKAGE

ALL SERIES

CONTENTS

DESCRIPTION AND OPERATION: (Not Applicable)

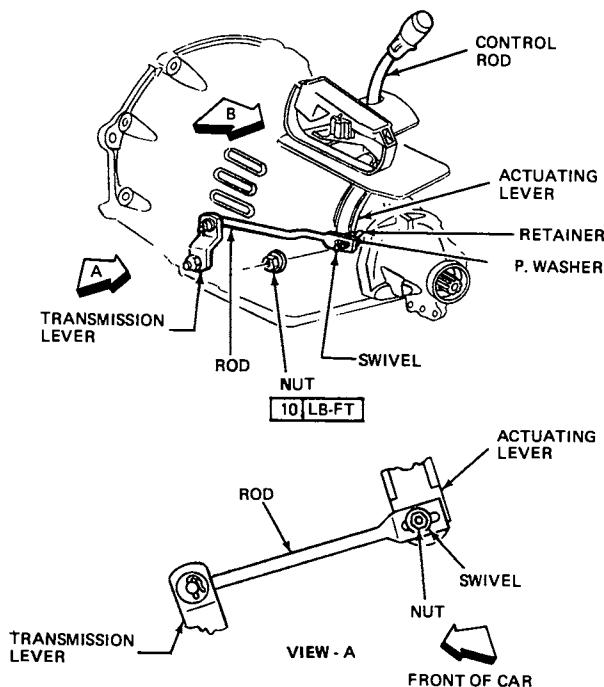
DIAGNOSIS: (Not Applicable)

MAINTENANCE AND ADJUSTMENTS:

350 and 400 Turbo Hydra-Matic Transmission Linkage Adjustment (Console Shift)	
"H" Series	7E-1
"X" Series	7E-2
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350-375B and 400 Turbo Hydra-Matic Transmission Linkage Adjustment (Column Shift)	
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MAJOR REPAIR: (Not Applicable)

SPECIFICATIONS: (Not Applicable)



TRANSMISSION CONTROL LINKAGE ADJUSTMENT

1. LOOSELY ASSEMBLE NUT & SWIVEL ON ROD & ACTUATING LEVER.
2. SET TRANSMISSION LEVER IN "NEUTRAL" POSITION.
NOTE OBTAIN "NEUTRAL" POSITION BY MOVING TRANSMISSION LEVER CLOCKWISE TO MAXIMUM DETENT ("PARK"), THEN COUNTER-CLOCKWISE TWO DETENT POSITIONS ("NEUTRAL").
3. SET CONTROL ROD IN "NEUTRAL" NOTCH OF DETENT SEE VIEW B.
4. WITH FLATS ON SWIVEL INSERTED INTO SLOT IN ROD ATTACH P. WASHER & RETAINER, TIGHTEN NUT TO RECOMMENDED TORQUE.

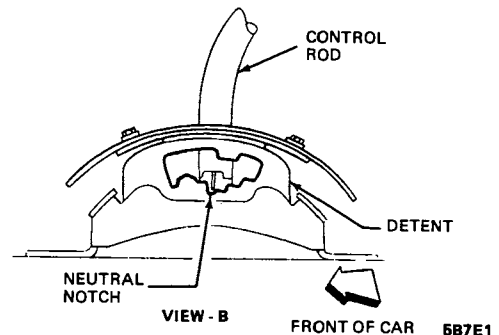
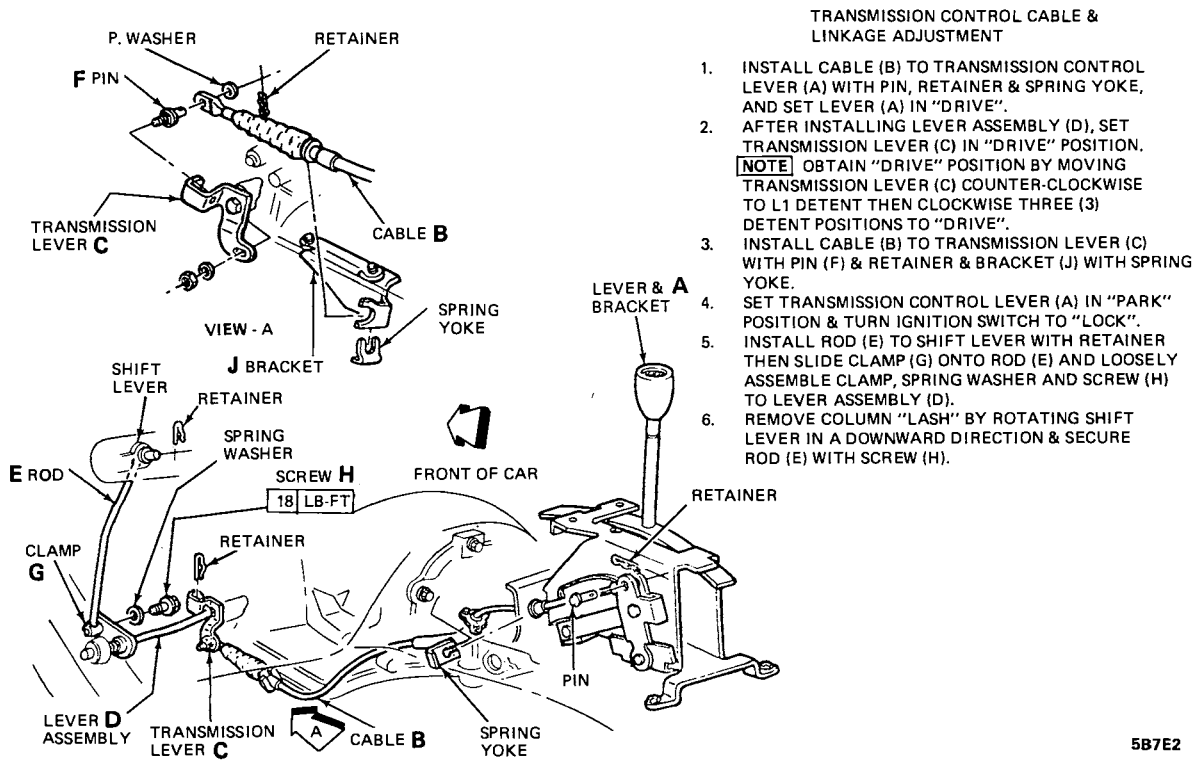
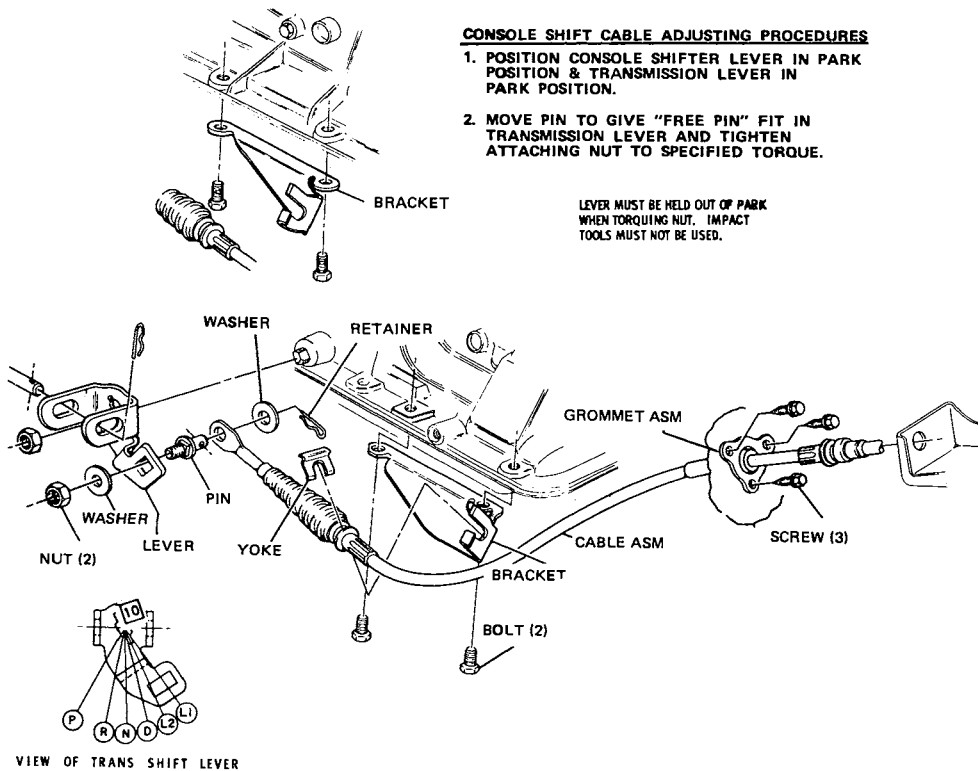


Figure 7E-1 "H" Series Console Shift



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Figure 7E-2 "X" Series Console Shift



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Figure 7E-3 "A" Series Console Shift

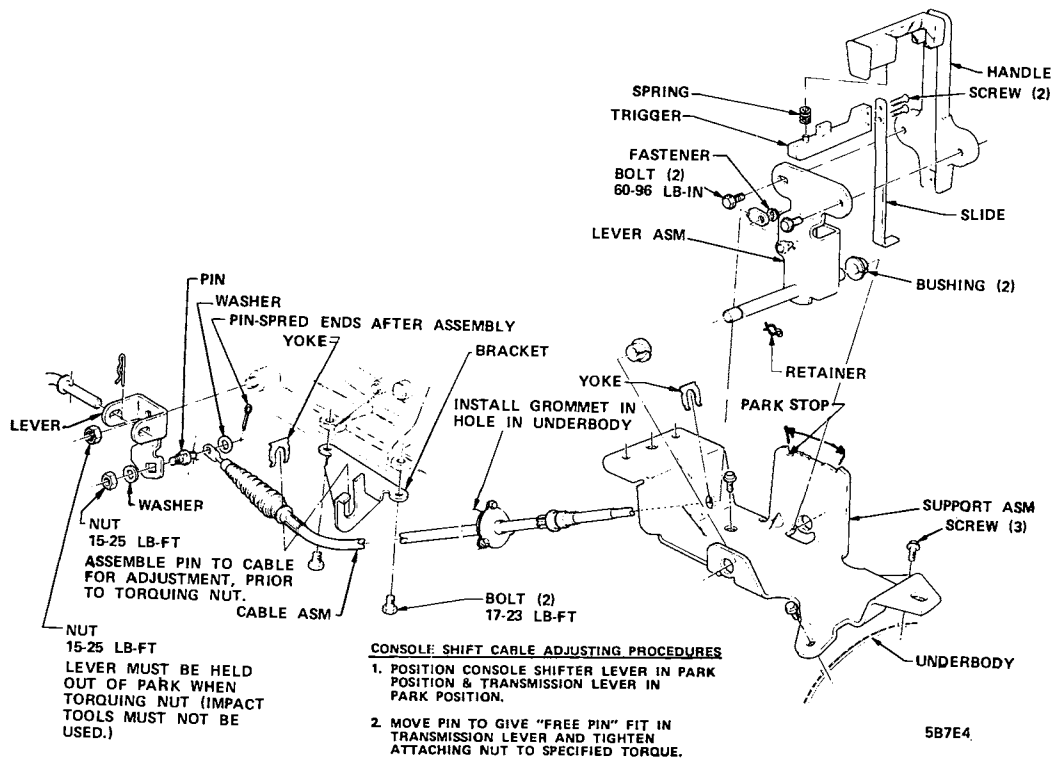


Figure 7E-4 "E" Series Console Shift

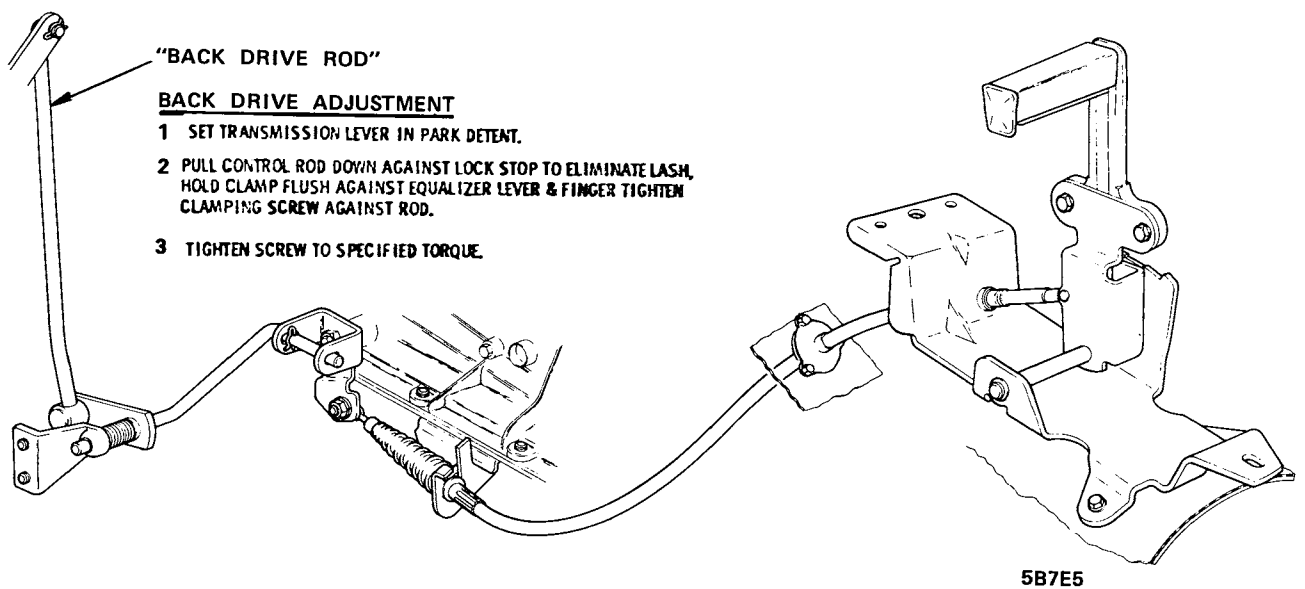
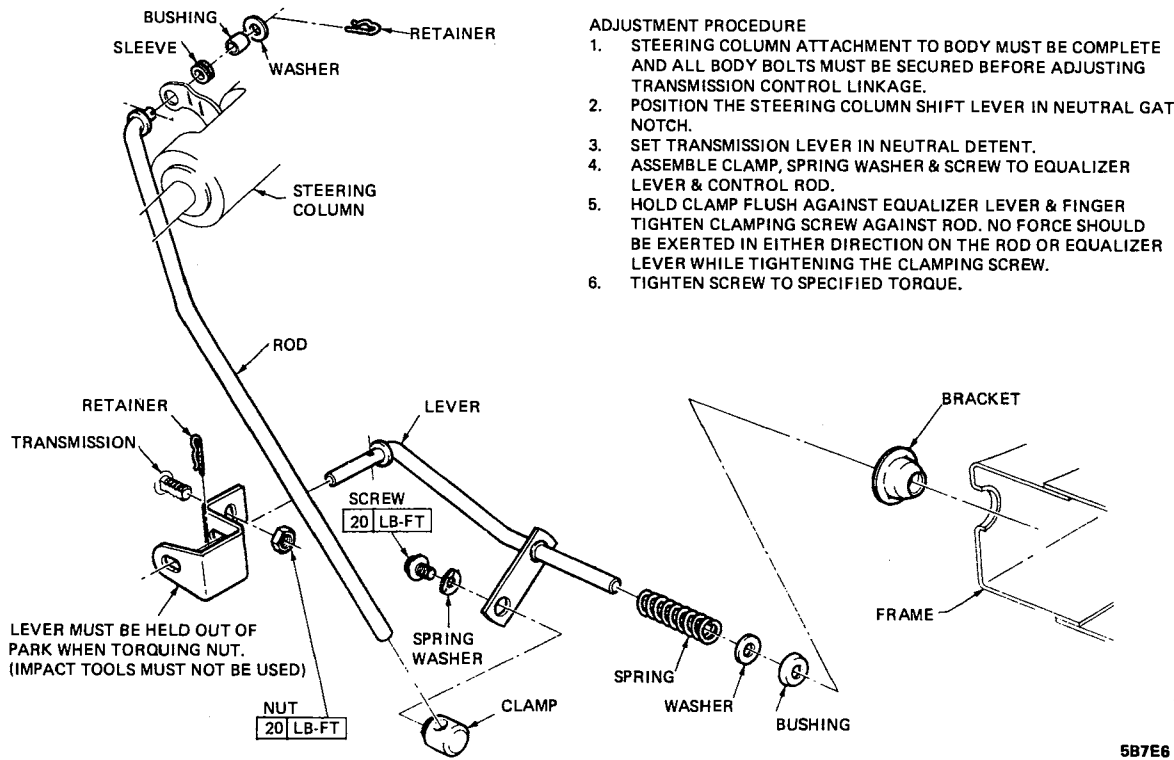


Figure 7E-5 "E" Series Console Shift

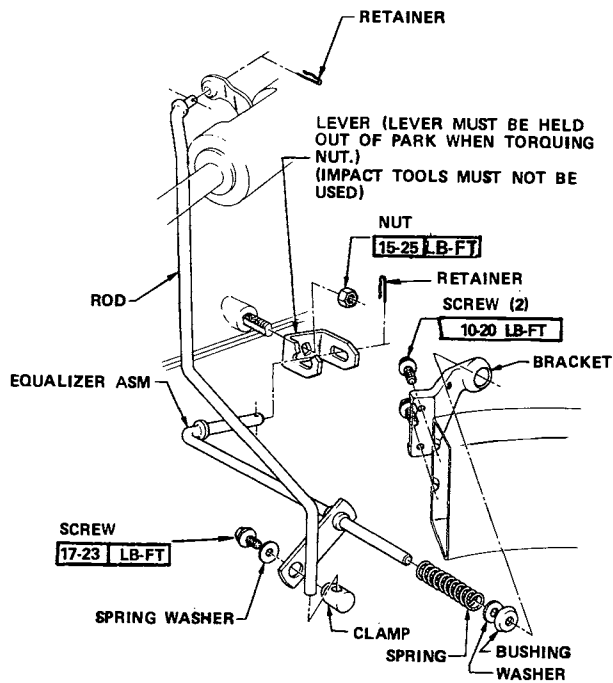


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Figure 7E-6 "X" Series Linkage Adjustment

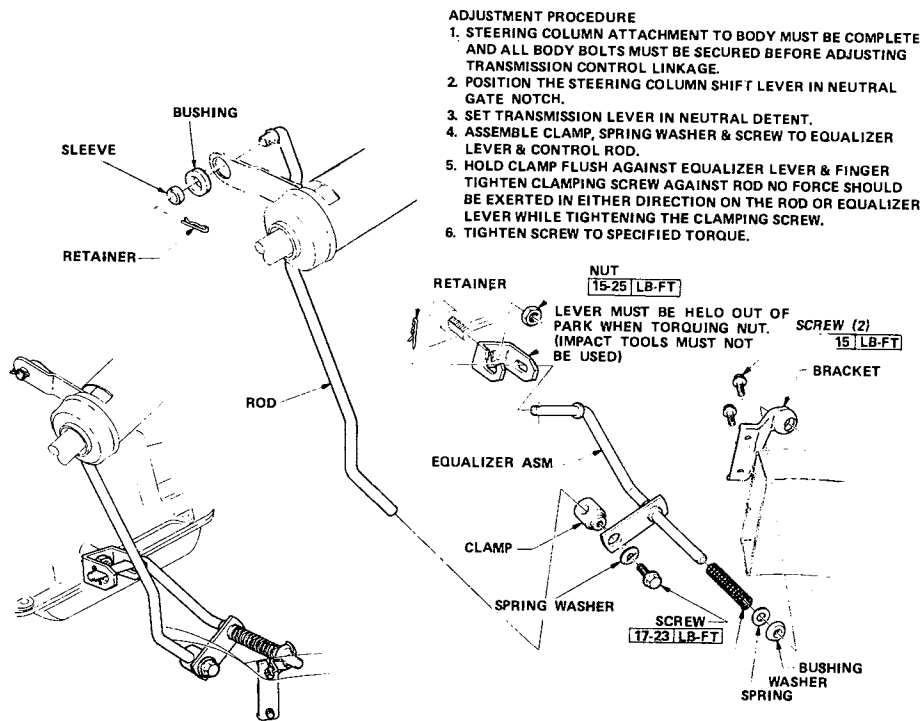
ADJUSTMENT PROCEDURE

1. STEERING COLUMN ATTACHMENT TO BODY MUST BE COMPLETE AND ALL BODY BOLTS MUST BE SECURED BEFORE ADJUSTING TRANS. CONTROL LINKAGE.
2. POSITION THE STEERING COLUMN SHIFT LEVER IN NEUTRAL GATE NOTCH.
3. SET TRANSMISSION LEVER IN NEUTRAL DETENT.
4. ASSEMBLE CLAMP SPRING WASHER & SCREW TO EQUALIZER LEVER AND CONTROL ROD.
5. HOLD CLAMP FLUSH AGAINST EQUALIZER LEVER & FINGER TIGHTEN CLAMPING SCREW AGAINST ROD. NO FORCE SHOULD BE EXERTED IN EITHER DIRECTION ON THE ROD OR EQUALIZER LEVER WHILE TIGHTENING THE CLAMPING SCREW.
6. TIGHTEN SCREW TO SPECIFIED TORQUE.



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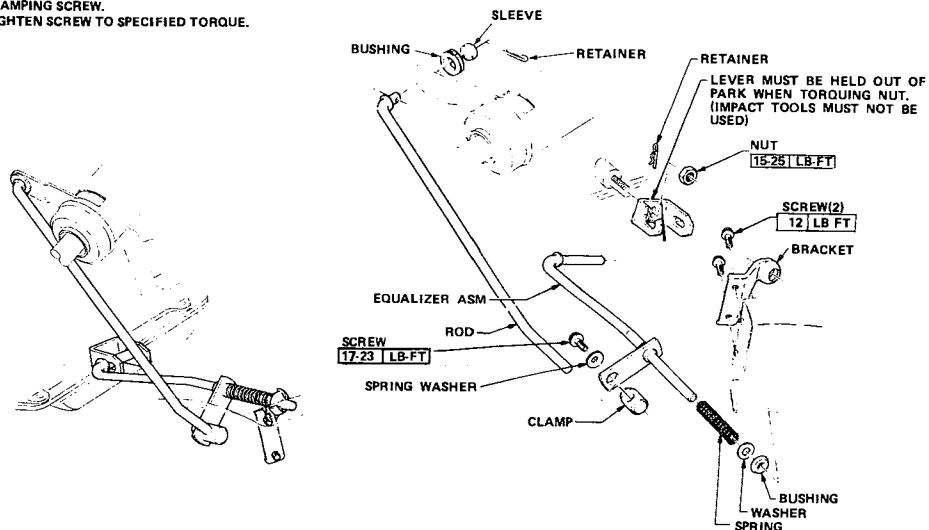
Figure 7E-7 "A" Series Linkage Adjustment



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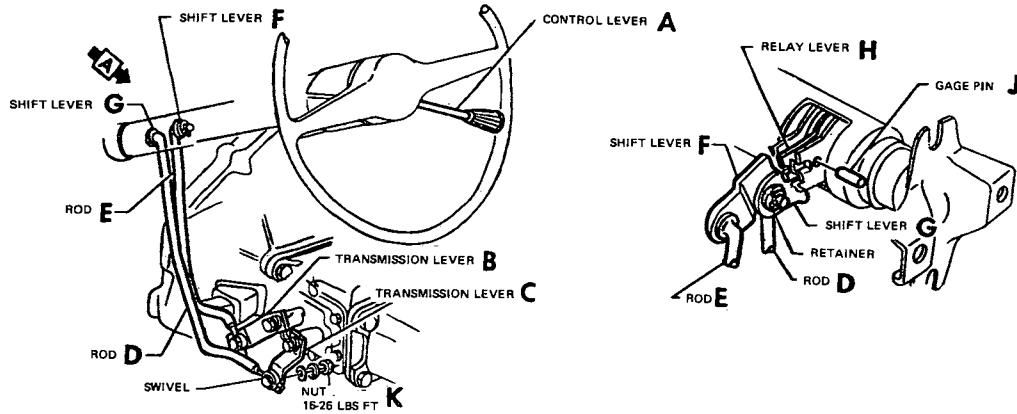
Figure 7E-8 "B" and "C" Series Linkage Adjustment

- ADJUSTMENT PROCEDURE**
1. STEERING COLUMN ATTACHMENT TO BODY MUST BE COMPLETE AND ALL BODY BOLTS MUST BE SECURED BEFORE ADJUSTING TRANSMISSION CONTROL LINKAGE.
 2. POSITION THE STEERING COLUMN SHIFT LEVER IN NEUTRAL GATE NOTCH.
 3. SET TRANSMISSION LEVER IN NEUTRAL DETENT.
 4. ASSEMBLE CLAMP, SPRING WASHER & SCREW TO EQUALIZER LEVER & CONTROL ROD.
 5. HOLD CLAMP FLUSH AGAINST EQUALIZER LEVER & FINGER TIGHTENED CLAMPING SCREW AGAINST ROD NO FORCE SHOULD BE EXERTED IN EITHER DIRECTION ON THE ROD OR EQUALIZER LEVER WHILE TIGHTENING THE CLAMPING SCREW.
 6. TIGHTEN SCREW TO SPECIFIED TORQUE.



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Figure 7E-9 "E" Series Linkage Adjustment



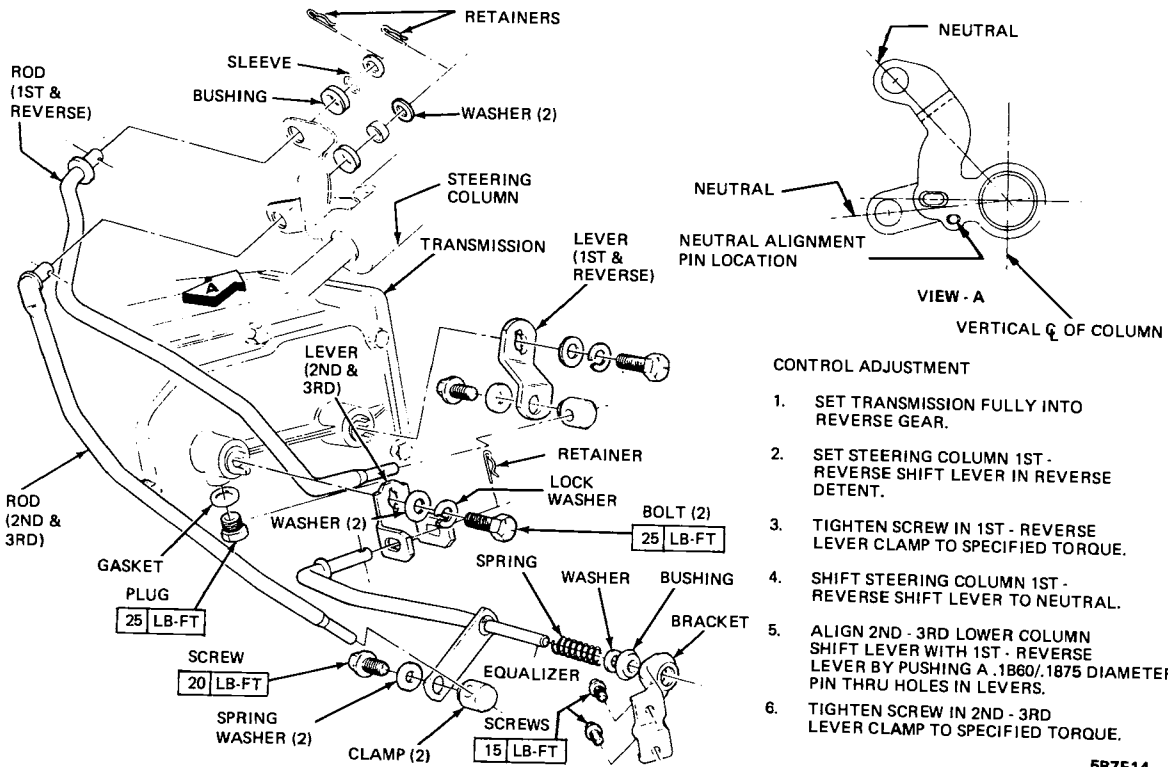
TRANSMISSION CONTROL LINKAGE ADJUSTMENT

1. Set Levers (A) and (C) in "REVERSE" position and turn ignition switch to "LOCK" position. **NOTE** Obtain "REVERSE" position by moving Trans Lever (C) clockwise to forward detent.
2. Attach Rod (D) to Shift Lever (G) with retainer. See View A. Slide swivel onto Rod (D). Insert Swivel with Clamp into Lever (C) and loosely assemble with Nut (K) and washers at this time.
3. Remove column "LASH" by rotating Lever (G) in a downward direction and complete attachment of Rod (D) to Lever (C) by tightening Nut (K) using recommended torque.
4. Turn ignition key to "UNLOCK" position and position Levers (A), (B) and (C) in "NEUTRAL" **NOTE** Obtain "NEUTRAL" position by moving Levers (B) and (C) clockwise to forward detent then counter-clockwise one detent.
5. Align gage holes in Levers (F), (G) and (H) and insert Gage Pin (J). See View A.
6. Repeat steps 2 & 3 for Rod (E) & Levers (B) & (F)
7. Remove Gage Pin (J).

NOTE With shift lever in "REVERSE" the ignition key must move freely to "LOCK" position. It must not be possible to obtain ignition "LOCK" position in "NEUTRAL" or any gear other than "REVERSE".

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Figure 7E-10 "X" Series Linkage Adjustment 3-Speed Manual

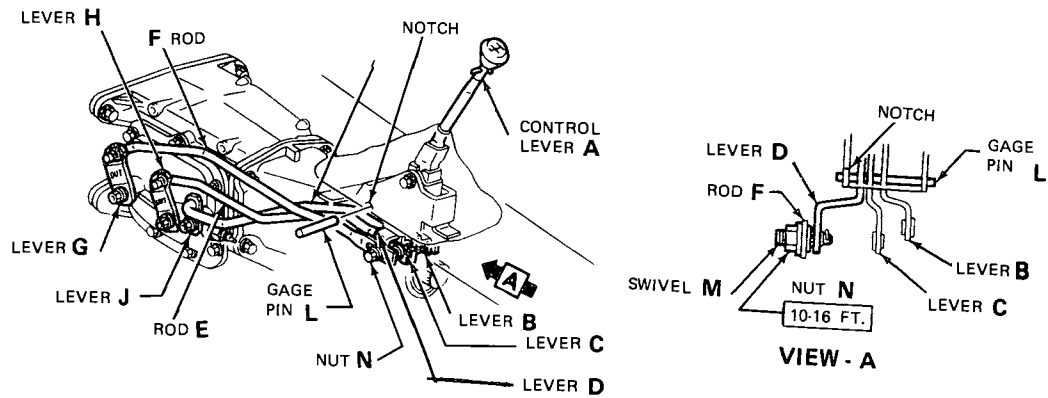


CONTROL ADJUSTMENT

1. SET TRANSMISSION FULLY INTO REVERSE GEAR.
2. SET STEERING COLUMN 1ST - REVERSE SHIFT LEVER IN REVERSE DETENT.
3. TIGHTEN SCREW IN 1ST - REVERSE LEVER CLAMP TO SPECIFIED TORQUE.
4. SHIFT STEERING COLUMN 1ST - REVERSE SHIFT LEVER TO NEUTRAL.
5. ALIGN 2ND - 3RD LOWER COLUMN SHIFT LEVER WITH 1ST - REVERSE LEVER BY PUSHING A .1860/.1875 DIAMETER PIN THRU HOLES IN LEVERS.
6. TIGHTEN SCREW IN 2ND - 3RD LEVER CLAMP TO SPECIFIED TORQUE.

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Figure 7E-11 "A" Series Linkage Adjustment 3-Speed Manual



TRANSMISSION CONTROL LINKAGE ADJUSTMENT

1. SET LEVERS (G), (H) & (J) IN "NEUTRAL" POSITION. **NOTE** OBTAIN "NEUTRAL" POSITION BY MOVING LEVERS COUNTER-CLOCKWISE TO FORWARD DETENT THEN CLOCKWISE ONE DETENT.
2. MOVE CONTROL LEVER (A) TO "NEUTRAL" POSITION, ALIGN HOLE OF LEVERS (B), (C) & (D) WITH NOTCH OF SHIFTER ASSEMBLY & INSERT GAGE PIN (L) TO SECURE LEVERS IN "NEUTRAL" POSITION. SEE VIEW A.
3. ATTACH ROD (F) TO LEVER (G).
4. LOOSELY ASSEMBLY NUT (N) & ROD (F) ON SWIVEL (M) AND LEVER (D). SEE VIEW A.
5. TIGHTEN NUT (N) USING RECOMMENDED TORQUE.
6. REPEAT STEPS 3, 4 & 5 FOR ROD (E) & LEVERS (C) & (H).
7. REPEAT STEPS 3, 4 & 5 FOR ROD (K) & LEVERS (B) & (J).
8. REMOVE GAGE PIN (L).

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Figure 7E-12 "H" Series Linkage Adjustment 4-Speed Manual